

Altru Health System – 2021 Antibioqram

Gram-positive % susceptible	No. Isolates	Penicillin IV (non-meningitis)	Penicillin IV (meningitis)	Ampicillin	Oxacillin	Piperacillin/tazobactam	Cefotaxime/Ceftriaxone	Erythromycin	TMP/SXT	Clindamycin	Doxycycline/Tetracycline	Vancomycin	Linezolid	Gentamicin 500 (Synergy only)	Nitrofurantoin (Urine only)
E. faecalis	365			100		See Amp						99		80	99
E. faecium	47			30								68		91	21
S. aureus	641				70	See Ox			97	82	97/95	100			
MRSA	192								95	79	93/92	100			
S. epidermidis	279				46	See Ox				55	91/87	100			
S. pneumoniae ¹	31	100	89				96 ^a	64 ^b		97	77 ^c	100			
β-hemolytic Streptococcus ⁵	28	100					100			74		100			
Streptococcus viridans ⁶	36	75					100			83		100			

NOTE: Data include the 1st isolate of each organism for a given patient

	Sensitivity ≥ 90%
	Sensitivity ≥ 60% - < 90%
	Sensitivity < 60% or Not Recommended (NR)

- S. pneumoniae: Penicillin (oral) => 92% sensitive
 - For cefotaxime => meningitis breakpoints
 - For erythromycin => non-blood isolates
 - Tetracycline only for S. pneumoniae
- Cefazolin => E. coli, K. pneumoniae, P. mirabilis breakpoints for uncomplicated UTI only
- Aztreonam reported on non-urine isolates only => E coli (n=203); E. cloacae (n=58); K oxy (n=46); K pneumo (n=49); P mirab (n=35); Citrobacter sp (n=25)
- P. aeruginosa => All antibiotics are tested by Kirby-Bauer except ceftazidime and meropenem which are tested by Etest
- B-hemolytic Strep => blood culture isolates only
- Streptococcus viridans => blood culture isolates only
- Haemophilus gp (H. influenzae & H. parainfluenzae only) => azithromycin 97% susceptible

The 2021 Antibioqram can be found on AltruLink (Physician's => Forms & Tools => Antimicrobial Stewardship => Antibioqram) as well as on the provider dashboard under "AHS Provider Links".

Altru Health System – 2021 Antibigram

Gram-negative % susceptible	No. Isolates	Ampicillin	Ampicillin/subactam	Piperacillin/tazobactam	Cefazolin ² (Urine only)	Ceftriaxone	Ceftazidime/Cefepime	Ertapenem/Meropenem	Aztreonam ³	Ciprofloxacin	Gentamicin/Tobramycin	TMP/SXT	Nitrofurantoin (Urine only)
E. coli	1958	65	72	97	95	96		100/100	99	82	95/95	84	97
E. cloacae	117			87		NR	-/100	99/100	92	97	100/99	95	34
K. aerogenes	48			77		NR		100/100	64	100	100/100	97	11
K. oxytoca	114		71	93		93		99/99	97	97	99/99	98	88
K. pneumoniae	374		92	99	97	97		100/100	92	93	99/98	96	31
P. aeruginosa ⁴	202			94			-/96	NR/92	75	90	98/100		
P. mirabilis	156		91	99	98	100		99/100	100	82	92/92	90	NR
Citrobacter gp	110			95		NR	-/100	100/100	100	93	100/100	97	84
S. marcescens	58					NR		100/100	97	100	100/91	100	
Haemophilus gp ⁷	31	77	90			100				100		73	

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1. S. pneumoniae: Penicillin (oral) => 92% sensitive
 - a. For cefotaxime => meningitis breakpoints
 - b. For erythromycin; non-blood isolates
 - c. Tetracycline only for S. pneumoniae
2. Cefazolin => E. coli, K. pneumoniae, P. mirabilis breakpoints for uncomplicated UTI only
3. Aztreonam reported on non-urine isolates only => E coli (n=203); E. cloacae (n=58); K oxy (n=46); K pneumo (n=49); P mirab (n=35); Citrobacter sp (n=25)
4. P. aeruginosa => All antibiotics are tested by Kirby-Bauer except cefepime and meropenem which are tested by Etest
5. B-hemolytic Strep => blood culture isolates only
6. Streptococcus viridans => blood culture isolates only
7. Haemophilus gp (H. influenzae & H. parainfluenzae only) => azithromycin 97% susceptible

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